

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Khalid El Akel et al.  
Filed : September 23, 2003  
For : PROCESS AND DEVICE FOR DETECTION OF  
STRAIGHT-LINE SEGMENTS IN A STREAM OF  
DIGITAL DATA THAT ARE REPRESENTATIVE OF  
AN IMAGE IN WHICH THE CONTOUR POINTS OF  
SAID IMAGE ARE IDENTIFIED

Docket No. : 480062.720D1  
Date : September 23, 2003

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

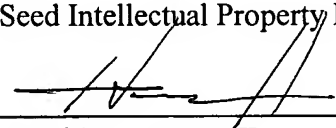
Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the 9 references set forth on the attached Form PTO-1449. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior Application No. 09/490,626, filed January 24, 2000. The references listed on the attached Form PTO-1449 were submitted to and/or cited by the Patent and Trademark Office in this prior application and, therefore, are not required to be provided in this application. If the Examiner wishes, copies will be provided upon request. As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,  
Khalid El Akel et al.  
Seed Intellectual Property Law Group PLLC



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Enclosures:

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Form PTO-1449

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FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 480062.720D1	APPLICATION NO.
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Khalid El Akel et al.	
		FILING DATE September 23, 2003	GROUP ART UNIT

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,567,610	01/28/86	McConnell	382	18	
	AB	5,301,115	04/05/94	Nouso	364	460	
	AC	5,378,881	01/03/95	Adachi	235	462	
	AD	5,471,550	11/28/95	Kurachi	382	200	
	AE	5,703,963	12/30/97	Kojima et al.	382	197	
	AF	6,434,270	08/13/02	Ohara et al.	382	178	
	AG						
	AH						
	AI						
	AJ						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK	92/11609	07/09/92	WO		
	AL					
	AM					
	AN					
	AO					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	Abdallah, Cherri K. and Mohammad A. Karim, "Optical Symbolic Substitution: Edge Detection Using Prewitt, Sobel, and Roberts Operators," Applied Optics, Vol. 28, No. 21, November 1989, pp. 4644-4648.
	AQ	Hemdal, John F., "One-Dimensional Digital Processing of Images for Straigh-Line Detection," Pattern Recognition, Vol. 31, No. 11, pp. 1687-1690.
	AR	

EXAMINER	DATE CONSIDERED
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\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).